

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit	1796	
Examiner Name	Hu, Henry	
Attorney Docket Number	5628-26316	

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4739007		1988-04-19	Okada et al.	
	2	4664820		1987-05-12	Magauran et al.	
	3	4695402		1987-09-22	Finlayson et al.	
	4	4866018		1989-09-12	Elliot	
	5	4402881		1983-09-06	Alther	
	6	3576388		1971-04-27	Burns	
	7	4255318		1981-03-10	Kaide et al.	
	8	4391637		1983-07-05	Mardis et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit		1796
Examiner Name	Hu, Henry	
Attorney Docket Number		5628-26316

	9	4517112		1985-05-14	Mardis et al.	
	10	4474706		1984-10-02	Clay et al.	
	11	4517112		1985-05-14	Mardis et al.	
	12	4546126		1985-10-08	Breitenfellner, et al.	
	13	4472538		1985-09-18	Kamigaito et al.	
	14	4582866		1986-04-15	Shain	
	15	4874728		1989-10-17	Elliot et al.	
	16	5017637		1991-05-21	Smith et al.	
	17	5132350		1992-07-21	Keogh	
	18	5236985		1993-08-17	Hayami	
	19	5429999		1995-07-04	Nae et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit		1796
Examiner Name	Hu, Henry	
Attorney Docket Number		5628-26316

	20	5554670		1996-09-10	Giannelis et al.	
	21	4558075		1985-12-10	Suss et al.	
	22	5773502		1998-06-30	Takekoshi, et al.	
	23	5827906		1998-10-27	Metzemacher et al.	
	24	6034163		2000-03-07	Barbee et al.	
	25	6130256		2000-10-10	Nao	
	26	6139962		2000-10-31	Herget et al.	
	27	6103805		2000-08-15	Kojima et al.	
	28	6794437		2004-09-21	Ross et al.	
	29	6605655		2003-08-12	Kato et al.	
	30	4708975		1987-11-24	Shain	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit		1796
Examiner Name	Hu, Henry	
Attorney Docket Number		5628-26316

	31	4777206		1988-10-11	Rittler	
	32	4826899		1989-05-02	Rees	
	33	5091462		1992-02-25	Fukui et al.	
	34	5164460		1992-11-17	Yano et al.	
	35	5780376		1998-07-14	Gonzales et al.	
	36	6084008		2000-07-04	Liu	
	37	6414070		2002-07-02	Kausch et al.	
	38	6451895		2002-09-17	Topolkaraev et al.	
	39	6492453		2002-12-10	Ebrahimian et al.	
	40	6583209		2003-06-24	Mehta et al.	
	41	6521690		2008-05-01	Ross et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10541625
Filing Date	2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher
Art Unit	1796
Examiner Name	Hu, Henry
Attorney Docket Number	5628-26316

42	6632868		2003-10-24	Qian et al.	
43	6649713		2003-11-18	Tang et al.	
44	6683122		2004-01-27	Zilg et al.	
45	6759464		2004-07-06	Ajbani et al.	
46	6849680		2005-02-01	Knudson et al.	
47	6822035		2004-11-23	Chaiko	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060155035		2006-07-13	Metzemacher et al.	
	2	20070072980		2007-03-29	Seeling et al.	
	3	20070072980		2007-03-29	Rainer et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit	1796	
Examiner Name	Hu, Henry	
Attorney Docket Number	5628-26316	

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	55112248	JP		1980-08-29	Eurukawa Electric Co. Ltd.	abstract	<input type="checkbox"/>
	2	62101644	JP		1987-05-12	Sumitomo Bakelite Co. Ltd.	abstract	<input type="checkbox"/>
	3	62181144	JP		1987-08-08	Toray Industries	abstract	<input type="checkbox"/>
	4	63030588	JP		1988-02-09	Fujikura Ltd		<input checked="" type="checkbox"/>
	5	63260957	JP		1988-10-27	Yoshito	abstract	<input type="checkbox"/>
	6	63273693	JP		1988-11-10	Hitachi Cable Ltd.	abstract	<input type="checkbox"/>
	7	10139998	JP		1998-05-26	Kiyoji et al.		<input checked="" type="checkbox"/>
	8	11228748	JP		1999-08-24	Sckiscu Chem Co. Ltd.	abstract	<input type="checkbox"/>
	9	10204298	JP		1998-08-04	Kyowa Chem Co. Ltd;		<input checked="" type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10541625
Filing Date		2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher	
Art Unit	1796	
Examiner Name	Hu, Henry	
Attorney Docket Number	5628-26316	

10	97/31873	WO		1997-09-04	Southern Clay		<input type="checkbox"/>
11	995630	JP		1997-04-08	Kensuke		<input checked="" type="checkbox"/>
12	0066657	WO		2000-11-09	Alcan Int. Ltd.		<input type="checkbox"/>
13	0078540	WO		2000-12-28	Singh		<input type="checkbox"/>
14	02100936	WO		2002-12-19	Dias		<input type="checkbox"/>
15	0140369	WO		2001-06-07	Bagrodia et al.		<input type="checkbox"/>
16	9730950	WO		1997-08-28	Gonzales et al.		<input type="checkbox"/>
17	1118723	GB		1968-07-03	Dunning		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Giannelis "Flame Retardant Nanocomposite Materials", Annual Conference on Fire Research NISTIR 6242, November 2-5, 1998, pages 39-40.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10541625
Filing Date	2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher
Art Unit	1796
Examiner Name	Hu, Henry
Attorney Docket Number	5628-26316

2	Miller, ed. "Tiny Clay Particles pack potent properties punch" <i>Plastics World</i> , October 1997, pages 36-38.	<input type="checkbox"/>
3	LIU, Y. et al., "Preparation of polypropylene/polystyrene/montmorillonite nano-composites", <i>China Plastics</i> , Vol. 16, No. 2, February 2002.	<input type="checkbox"/>
4	Kyaowa Chemical Industry Co., Ltd. Product "Additives for Resins", 1997, 2 pages	<input type="checkbox"/>
5	Gilman et al. "Nanocomposites: A Revolutionary New Flame Retardant Approach," <i>SAMPLE Journal</i> , Vol. 33 No. 4, 1997, pps 40-46.	<input type="checkbox"/>
6	Gilman et al. "Flammability and Thermal Stability Studies of Polymer Layered -Silicate (Clay) Nanocomposites-II" <i>Flame Retardancy</i> , 10th Annual BCC Conference, May 24-26, 1999, pp. 1-11.	<input type="checkbox"/>
7	Notice of Opposition to EP Patent No. 1560879 filed March 7, 2007 17 pages.	<input type="checkbox"/>
8	Notice to of Opposition to EP Patent No. 1177252, filed March 15, 2006, 11 pages.	<input type="checkbox"/>
9	Notice to of Opposition to EP Patent No. 1177252, filed February 24, 2006, 6 pages.	<input type="checkbox"/>
10	Observations by Third Party to EP Patent Application No. 00910805 filed September 9, 2004, 8 pages	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10541625
Filing Date	2006-03-08
First Named Inventor	Heinz-Dieter Metzemacher
Art Unit	1796
Examiner Name	Hu, Henry
Attorney Docket Number	5628-26316

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.